

Directional Surveys



Well : **SGU 8508C-36 B36 496**

API # : 05045198390000

Area : Story Gulch

Direction of Vertical Section (in degrees) : 144.63

Survey Company : Cathedral

Magnetic Dec. Correction : 10.46

| Extrap. | Depth (MD) | Corrected | | TVD | Northings | Eastings | Vertical Section | Dog Leg |
|---------|------------|-------------|-----------------|---------|-----------|----------|------------------|---------|
| | | Angle (deg) | Direction (deg) | | | | | |
| | 200.00 | 1.00 | 356.10 | 199.98 | 1.74 | -0.12 | -0.83 | 0.50 |
| | 292.00 | 0.70 | 44.70 | 291.97 | 2.94 | 0.22 | -2.27 | 0.82 |
| | 383.00 | 2.20 | 124.20 | 382.93 | 2.35 | 2.06 | -0.73 | 2.40 |
| | 475.00 | 5.50 | 136.80 | 474.68 | -1.86 | 6.54 | 5.30 | 3.68 |
| | 569.00 | 9.00 | 139.20 | 567.88 | -10.71 | 14.43 | 17.08 | 3.74 |
| | 696.00 | 12.60 | 139.30 | 692.57 | -28.73 | 29.95 | 40.77 | 2.83 |
| | 791.00 | 12.30 | 140.50 | 785.34 | -44.39 | 43.14 | 61.17 | 0.42 |
| | 886.00 | 11.70 | 139.30 | 878.26 | -59.50 | 55.86 | 80.85 | 0.68 |
| | 981.00 | 12.50 | 145.30 | 971.15 | -75.26 | 67.99 | 100.72 | 1.57 |
| | 1076.00 | 11.30 | 144.40 | 1064.10 | -91.28 | 79.26 | 120.31 | 1.28 |
| | 1171.00 | 9.90 | 141.00 | 1157.47 | -105.19 | 89.82 | 137.77 | 1.61 |
| | 1266.00 | 11.90 | 147.80 | 1250.74 | -119.82 | 100.18 | 155.70 | 2.50 |
| | 1361.00 | 13.90 | 148.20 | 1343.33 | -137.81 | 111.41 | 176.86 | 2.11 |
| | 1456.00 | 14.10 | 147.40 | 1435.51 | -157.26 | 123.66 | 199.81 | 0.29 |
| | 1551.00 | 13.10 | 144.30 | 1527.84 | -175.75 | 136.18 | 222.14 | 1.30 |
| | 1646.00 | 13.30 | 143.00 | 1620.33 | -193.22 | 149.04 | 243.83 | 0.38 |
| | 1741.00 | 12.20 | 139.00 | 1712.98 | -209.52 | 162.20 | 264.74 | 1.48 |
| | 1836.00 | 12.80 | 139.40 | 1805.73 | -225.09 | 175.63 | 285.21 | 0.64 |
| | 1931.00 | 13.50 | 143.10 | 1898.24 | -241.95 | 189.14 | 306.77 | 1.15 |
| | 2027.00 | 12.10 | 142.00 | 1991.85 | -258.84 | 202.06 | 328.03 | 1.48 |
| | 2122.00 | 11.90 | 143.80 | 2084.77 | -274.59 | 213.97 | 347.77 | 0.45 |
| | 2217.00 | 12.60 | 145.20 | 2177.61 | -291.00 | 225.67 | 367.92 | 0.80 |
| | 2312.00 | 12.70 | 144.10 | 2270.30 | -307.97 | 237.71 | 388.72 | 0.27 |
| | 2407.00 | 11.10 | 142.30 | 2363.25 | -323.66 | 249.43 | 408.31 | 1.73 |
| | 2503.00 | 11.70 | 143.70 | 2457.35 | -338.82 | 260.84 | 427.27 | 0.69 |
| | 2598.00 | 13.00 | 146.30 | 2550.15 | -355.47 | 272.47 | 447.58 | 1.49 |
| | 2693.00 | 12.20 | 146.00 | 2642.86 | -372.68 | 284.01 | 468.30 | 0.84 |
| | 2788.00 | 12.90 | 144.30 | 2735.59 | -389.61 | 295.81 | 488.93 | 0.83 |
| | 2884.00 | 12.00 | 142.60 | 2829.33 | -406.24 | 308.12 | 509.62 | 1.01 |
| | 2980.00 | 11.00 | 142.00 | 2923.40 | -421.39 | 319.82 | 528.74 | 1.05 |
| | 3080.00 | 9.80 | 142.70 | 3021.75 | -435.68 | 330.85 | 546.78 | 1.21 |
| | 3171.00 | 10.40 | 147.00 | 3111.34 | -448.73 | 340.02 | 562.73 | 1.06 |
| | 3263.00 | 13.60 | 143.60 | 3201.29 | -464.40 | 350.96 | 581.84 | 3.56 |
| | 3355.00 | 12.70 | 146.20 | 3290.87 | -481.51 | 363.00 | 602.76 | 1.17 |

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|---------|------------|-------------|-----------------|---------|-----------|----------|------------------|---------|
| | 4637.00 | 11.40 | 145.70 | 4546.88 | -687.01 | 513.88 | 857.67 | 0.33 |
| | 4728.00 | 12.20 | 147.20 | 4635.95 | -702.52 | 524.16 | 876.27 | 0.04 |
| | 4820.00 | 11.40 | 147.50 | 4682.12 | -762.28 | 568.60 | | |

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|---------|------------|-------------|-----------------|----------|-----------|----------|------------------|---------|
| | 9032.00 | 2.10 | 148.60 | 8864.43 | -1339.24 | 973.06 | 1655.32 | 1.79 |
| | 9124.00 | 0.80 | 118.20 | 8956.39 | -1340.98 | 974.50 | 1657.57 | 1.59 |
| | 9215.00 | 1.10 | 359.00 | 9047.38 | -1340.41 | 975.04 | 1657.42 | 1.81 |
| | 9307.00 | 1.10 | 347.50 | 9139.36 | -1338.66 | 974.83 | 1655.88 | 0.24 |
| | 9399.00 | 1.70 | 357.50 | 9231.33 | -1336.43 | 974.58 | 1653.91 | 0.70 |
| | 9490.00 | 1.10 | 346.60 | 9322.30 | -1334.23 | 974.32 | 1651.96 | 0.72 |
| | 9582.00 | 0.80 | 324.70 | 9414.29 | -1332.85 | 973.74 | 1650.50 | 0.51 |
| | 9673.00 | 1.70 | 352.10 | 9505.27 | -1330.99 | 973.19 | 1648.67 | 1.16 |
| | 9765.00 | 1.20 | 332.00 | 9597.24 | -1328.79 | 972.55 | 1646.50 | 0.77 |
| | 9857.00 | 2.10 | 11.50 | 9689.20 | -1326.29 | 972.43 | 1644.39 | 1.52 |
| | 9948.00 | 1.70 | 14.60 | 9780.15 | -1323.35 | 973.10 | 1642.39 | 0.45 |
| | 10040.00 | 1.10 | 1.00 | 9872.12 | -1321.15 | 973.46 | 1640.79 | 0.74 |
| | 10131.00 | 0.70 | 339.10 | 9963.11 | -1319.76 | 973.28 | 1639.56 | 0.57 |
| | 10223.00 | 0.60 | 271.90 | 10055.10 | -1319.22 | 972.60 | 1638.72 | 0.79 |
| | 10315.00 | 0.70 | 285.40 | 10147.09 | -1319.05 | 971.58 | 1638.00 | 0.20 |
| | 10406.00 | 0.30 | 259.00 | 10238.09 | -1318.95 | 970.81 | 1637.47 | 0.50 |
| | 10498.00 | 0.80 | 244.40 | 10330.08 | -1319.27 | 969.99 | 1637.26 | 0.56 |
| | 10589.00 | 1.10 | 224.80 | 10421.07 | -1320.16 | 968.80 | 1637.30 | 0.48 |
| | 10681.00 | 0.80 | 246.80 | 10513.06 | -1321.04 | 967.59 | 1637.31 | 0.51 |